A BRIEF STORY ABOUT

CIRCULAR DESIGN

IN PRACTICE

SEBASTIAN GANN – GROUP SUSTAINABILITY DIRECTOR

COMPANY



THE ZUMTOBEL GROUP

AT A GLANCE



FROM COMPONENT TO CONNECTED LIGHTING SOLUTION

VALUE CHAIN



STRONG BRANDS UNDER ONE ROOF

SELECTED MARKET SEGMENTS AND BRAND ALLOCATION



COMPANY PRESENTATION | 2022



Building and Construction Industry

EU Green-Deal-induced environmental and social criteria have an impact on access to capital and asset value.



Customers

MAKING AN IMPACT THAT MATTERS

> Building contractors and planners need suppliers who help them achieve their targets in sustainability.

SUSTAINABILITY

Drivers

A Need for Sustainable Solutions

For a future worth living in, there is an urgent need for action. New legal frameworks are aiming at directing investments in sustainable economic activities, calling for sustainable solutions.

The 1.5°C Target

The EU Green Deal drives sustainability through disclosure requirements. From financial markets to industry.

Creating sustainable value ESG Real Estate Insights Vol. 2

Source: Deloitte

HOW DOES THE EU TAXONOMY FIT W THE SUSTAINABLE FINANCE FRAMEW



CIRCULAR ECONOMY



https://www.wasserfaelle-krimml.at/

Linear economy

CO₂, waste and resource problem increasingly addressed by politics and customers

CIRCULAR ECONOMY

From linear to circular

Circular Economy Approach

In the transition from linear to circular, we explore ecosystems required to realize maintenance and upgrade, reuse and remanufacturing, as well as high-value recycling.



Circular Economy

Value retention strategies

- maintenance and upgrade
- reuse and remanufacturing
- high-value recycling

CIRCULAR ECONOMY

Circular Systems



Maintenance and Upgrade

Renovation trend and ban of fluorescent lamps as opportunities.

Refurbishment Kits for upgrading existing luminaires.

High light quality, less energy consumption.



Reuse and Remanufacturing

Reuse products or use used parts to produce new products.

Project context and product architecture matter.

New processes.



High-Value Recycling

High-Value Recycling aims at making use of materials from used products in their existing quality.

Circulation of materials with a wellknown identity.

Supply suppliers.







All products of the second seco

CIRCULAR ECONOMY

Circular Design Rules (CDRs)

Products for the Circular Economy

In developing products suitable for the circular economy, circular sourcing, circular design and circular systems are considered. The Circular Design Rules (CDR) are an integral part of our product development process.



CIRCULAR DESIGN RULES (CDRs)

CIRCULAR SOURCING

Circular Sourcing

- ↑ recycled materials
- ↑ materials for recycling
- ↓ substances counteracting circularity & health







Egg from free-range chicken or laying battery?

CIRCULAR DESIGN RULES (CDRS)

CIRCULAR DESIGN



Circular Design

- Design for disassembly
- Facilitate a long product lifetime
- Foundation for maintenance and upgrade



CIRCULAR DESIGN RULES (CDRS)

CIRCULAR SYSTEMS

Circular Systems

- Take-back systems
- Reverse Logistics for reuse,
 - remanufacturing and high-value recycling
- Process cost vs. benefit from recovery





CIRCULAR ECONOMY

Partner

The Circular Economy requires collaboration

We engage with network partners to identify the necessary process steps required for making use of the opportunities in the circular economy. #togethercircular



CONCLUSION

ZUMTOBEL Group

THANK YOU